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Washington, D.C. 20231, on October 21, 2005

PATENT

Attorney Docket No. SIC-00-004

By

*Jan. 9. Nelson*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re application of:

KAZUHIRO FUJII

Application No.: 09/766,696

Filed: January 19, 2001

For: BRACKET ASSEMBLY FOR A  
MOTOR CONTROLLED BICYCLE  
TRANSMISSION

Examiner: Anne Marie M. Boehler

Art Unit: 3611

REPLY BRIEF

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Commissioner:

This is a reply to the Examiner's Answer dated September 13, 2005.

The Examiner's answer maintains that neither a significant amount of additional cable nor greater complexity or exposure of cable will be required if Ethington's automatic shift actuation unit is positioned on the chain stay. However, the proposed modification requires at least a doubling of total cable. Not only are there the existing cables (56) and (58) from the respective shift levers (46) and (52), but there will be the additional cables (66) and (68) connected to the tips of the shift levers (46) and (52). Cable (68), connected to the rear shift lever (52), will be approximately the same length as existing cable (58), thus approximately doubling the length of cable to service the rear derailleur. However, cable (66), connected to the front shift lever (46) will be *longer* than existing cable (56) because power unit (50) is now placed *behind* the front derailleur (36), thus more than doubling the length of cable to service the front derailleur. Also, cables (66) and (68) now run straight from levers (46) and (52) to the chain stay, thus being located exactly in the region of the pedal crank (22) where they can be repetitively struck by the rider's feet.

*Note  
Ex. Anne Marie  
Boehler  
1/6/06*